

United States Department of Agriculture

FIELD DIARY

OF

Mr. Alex Wetmore.

(Official title.)

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Field Notes.



## INSTRUCTIONS.

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*James Wilson*

*Secretary of Agriculture.*

1913

February 28, Friday

This morning there were fifteen or twenty grackles in the Department of Agriculture grounds sitting in the tops of the trees and chucking. One has been here alone for the past week spending most of its time in a Hemlock just outside the office window.

One bird that I saw on the ground this morning at Clossy's range was certainly Quiscalus g. aeneas as the back was distinctly bronze while the others were probably the other subspecies. Richmond (Chapman's Bds. E. N. A.) says that aeneas is occasional in spring.

March 2, Sunday.

Went out this noon to Bemings and spent most of the afternoon down along the eastern branch.

There were many Crows (brachyrhynchus apparently) feeding along on the marshy areas left bare by the tide and others came flying in here during the afternoon before going to the roost at Woodbridge.

Saw many Turkey Buzzards today soaring around in the high wind.



A short eared Owl flew up from a marshy place and went alternately sailing and flapping off across the flats rising quite high in the air.

Saw Tree & Song Sparrows at the marshes and there were many juncos feeding in yards in the town of Benning.

Three Red-winged Blackbirds flew over from the north.

It was cold and raw all day. dug around in old leaves for insects. Collected diptera 1 Chironomid; ~~Collembola~~

Collembola 2 spec.

Coleoptera. Chrysomelidae Typophonus canellus, Ectionychis quercata.

1 Cerambycid and a species of Dytiscid all hibernating.

Saw one Herring gull.

March 3, Monday.

Purple Grackles common in the department grounds today. Males pursuing the females and singing loudly in spite of cold raw wind.

March 9, Sunday.

This afternoon was out at Woodbridge and went with Kalmbach over to the crow roost.

Heard Cardinals and Song Sparrows singing clearly and

frogs were calling from damp places.

The crow roost was in a patch of timber mainly below the crest of a hill and the great number of crows present here was attested by their droppings and thousands of pellets. These are usually about an inch long and oblong oval in shape being closely firmly packed together. They are made up of undigested matter which is regurgitated. From about a pint of pellets we examined we identified the following, bits of crayfish, small land and salt water shells, gravel, coal, slag from an ash heap, the jaw & scales of a fish, seeds of Hackberry, poison ivy, 2 species of sumach, Polygonum angustifolium, ~~and~~ Gum tree and Cornus.

About five or six crows came in but the greater number have now left for the north. They came flying over from the North West going on over to the Eastern branch first and then returning. Fifty or more sat in a tree on the crest of the hill and cawed and croaked among themselves. Others came flying in descending swiftly in spiral glide at times dropping



almost perpendicularly and giving a rattling call. A few fish crows were with them but the greater part were C. b. brachyrhynchus. I called them over once by imitating them and they circled over us one even lighting in a tree for an instant.

March 11, Tuesday.

This morning was a warm damp spring morning with plenty of birds in the department grounds. The Purple Grackles were very noisy and were flying about in all directions. Kolmbach said that Sunday they were nestbuilding near Woodbridge.

March 25, Tuesday.

Heard Spizella passerina singing near West Union, W. Virginia

March 29, Saturday.

Lawrence, Kansas. Many Meadowlarks and a Robin singing this morning. Robin in yard getting worms. Heard a flock of geese go over last night.

Many Red-winged Blackbirds flying over in small flock today. Went to Newton Kansas saw numbers of Meadowlarks and

quite a few Crows. A White-rumped Shrike on a wire near Burton Kans. Two Sparrowhawks near Peabody.

Went to Florence. There was a good deal of timber bordering the streams but beyond that a decrease could be noticed.

June 27, Sunday.

This morning Fay & I went out to Bluemont on the New Electric line. Rather a cloudy day with rain in the morning and showers during the day. The road went over through Leesburg crossing Goose Creek & other smaller streams. At Bluemont called Snickersville on the old maps we climbed up to the summit of Snickers Gap at about 1500 ft above sea level following the Winchester-Washington turnpike. From here we turned off and came out finally at the Pearisden overlooking the wide fertile valley of the Shenandoah with brief glimpses of the river below.

To western eyes this region seems well wooded and even in the cultivated valleys stilted fields alternate with squares of trees. No birds out of the ordinary



May 1, 1913

With McAttee Long Bridge to  
Aqueduct Bridge on Virginia  
side. Out at 6:10 and back at  
nine. Clear, bright day after  
several cool ones.

Note many Warblers in as  
they have apparently moved on  
north without others to take  
their places arriving so that  
this list comprises practically  
only summer residents.

Bluebird 2

Robin 1

Carolina Chickadee 1

Indigo Titmouse 1

Carolina Wren fairly common  
singing.

Cedarbird - found a small  
flock below Arlington.

Cardinal heard

Song Sparrow common

Goldfinch fairly common.

Meadowlark one seen in

Experiment Station grounds.

Fish Crow along marshes

Common Crow few

Bluejay - tolerably common.

Blondy Woodpecker - one seen.

Turkey Vulture - few.

Night Heron - several. Seen flying and  
three seen wading along in  
marsh.

Purple Grackle common.

Red-winged Blackbird Common.

Phoebe one.

Flicker 2

White Throated Sparrow - several

Cowbird heard questionably. rare here.

Mourning Dove several.

Chewink "

Myrtle Warbler "

Brown Thrasher " singing

Louisiana Water Thrush " a

peculiar song.

Blue Gray Gnatcatcher one.

Ruby-crowned Kinglet several.

Barn Swallow one.

Chimney Swift one.

House Wren abundant.

Spotted Sandpiper 2

Yellow Warbler most abundant

Maryland Yellowthroat common.

White-eyed Vireo several

Catbird abundant.

Parula Warbler one.

Wood Thrush several

Red-eyed Vireo one

Solitary Sandpiper one first record  
this spring.

Kingbird 2

Yellow breasted Chat. one first record.

Long-billed Marsh Wren common.

Golden-winged Warbler one. rare here.

42 actually seen 30 others heard.



May 4 Sunday 1913.

Stayed at Kalmbach's but at Woodbridge last night & this morning he & I got out early before six and went down cross country as far as the bridge at Benning. looked like rain early but cleared and was very warm. Our way took us through cultivated fields and small patches of forest, and then along the marshy ground near the Eastern Branch.

Chimney Swift - A. con near houses.  
Purple grackle - common - young out of nest & others calling loudly.

Mourning Dove - tolerably common.

Maryland Yellowthroat - very common.

White-eyed Vireo - common singing loudly.

Myrtle Warbler - fairly common. Only

brigrant Warbler noted.

Red-eyed Vireo - fairly common.

House Wren - common.

Wood Thrush - common.

Song Sparrow - common. found nest on ground in swamp containing four fresh eggs.

White throated Sparrow - common singing.

Field Sparrow - common. one nest with four fresh eggs on ground in high field. female flushed right under my foot & had

I put it down the eggs would have been crushed. Very scantily covered from above.

Meadowlark - fairly common.

Catbird - common.

Cardinal - several - singing a little

Brown Thrasher - several.

Chewink - common.

Robin - several

Barn Swallow - around one barn & near yeast factory.

English Sparrow - common.

Chipping " - fairly common.

Yellow Warbler - common - nest building.

Bluejay - several

Redstart - common

Cowbird - common one singing from top of tall tree.

American Crow - common.

Flicker - several.

Tufted Titmouse - several

? Wilson Thrush - not seen. heard singing  
not taking - could not find bird though heard several times.

Kingbird - common

Rough-winged Swallow - One Penn.

By track. Others along Eastern Branch at Benning.

Carolina Wren - several.

American Goldfinch - common.

Bobwhite - two.

Scarlet Tanager - heard singing & two males seen fighting.

Yellow breasted Chat - several.



- ? Hairy Woodpecker heard not seen.  
 Indigo Bunting one seen.  
 Yellow ~~throated~~ Vireo. several heard & seen  
 Swamp Sparrow - common in marshes  
 Blue Gray Gnatcatcher - several.  
 Carolina Chickadee several  
 Yellow-billed Cuckoo - one first record  
 Black-billed " " " "  
 ? Louisiana Water Thrush heard singing  
 Parula Warbler several  
 Long-billed Marsh Wren common  
 Red-winged Blackbird few.  
 Bobolink. first of spring. half a dozen.  
 Fish Crow several  
 Rusty Blackbird. Three seen & identified  
 unquestionably. latest record known here  
 ? Spotted Sandpiper heard  
 Cliff Swallow. one. first record  
 ? Solitary Sandpiper heard.  
 ? Crested Flycatcher several heard.  
 Red-headed Woodpecker several. nest  
 seen with female apparently  
 incubating.  
 Turkey Buzzard  
 Wood Pewee first record  
 White-breasted Nuthatch 2

May 8, Thursday

Out at five thirty this A.M.  
 with McAttee from Aqueduct  
 bridge to Cherrydale along  
 the Potomac. Cloudy & cool  
 and too much wind to  
 see many birds.

Turkey Buzzard - common.

Robin one.

Song Sparrow common.

Catbird common

Chewink common

Wood Thrush common

Fish Crow several

White-eyed Vireo two

Ovenbird common singing

Field Sparrow several.

Redstart common.

Kentucky Warbler one.

Red-eyed Vireo common

Carolina Chickadee. one seen preening  
 feathers after bath at edge of river.

Black & White Warbler. one seen.

Rough-winged Swallow - several around  
 old quarries.

Scarlet Tanager several.

Worm-eating Warbler. one seen in some  
 low bushes a quick active little  
 bird with a sharp chipping note  
 was shy & hard to approach. On low  
 ground near river.

Maryland yellowthroat. several  
 Yellow-throated Vireo two.



Acadian Flycatcher - 3 Empidonax  
seen identified as this species  
had sharp explosion note.  
Audubon Bunting one adult male.  
Parula Warbler several  
House Wren several  
White-throated Sparrow several.  
Chipping Sparrow one.  
? Chat one heard.

see ante

June 22, Sunday, (continued)  
were noticed at all. Berwick's  
Wrens are said to occur here but  
I could not find any though  
House Wrens were common and  
I thought had young out of the  
nest.

Hooded Warblers were common  
in the second growth on the  
hillsides and I heard the  
males singing often. They  
scolded me sharply at  
times with a loud chip  
as though I was near their  
nests. The males work  
quite rapidly through the under-  
growth singing and flying  
in bunches of 5 or more at  
a stretch so that it is difficult  
to follow them. Occasionally they  
go into the lower limbs of  
the trees to sing.

The only bird that I collected  
was a male Cowbird and they  
were fairly common.

Red-eyed Vireos were common & I  
saw one nest.

Saw a young Audubon Bunting  
out of the nest and heard  
the males calling.

Hairy Woodpeckers were  
seen.



Acadian Flycatcher - 3 Empidonax  
seen identified as this species

June 29, Sunday.  
Went out this morning to Four  
Mile Run and spent the day on  
a long wooded hill back of Luma  
Park. Toward the west found  
an old abandoned farm with  
an old orchard. It was hot  
but with a cool breeze. no  
water here except in a spring  
near Luma Park.

Birds were fairly common up  
here the Red-eyed Vireo of  
course being the most abundant  
species. The males were singing  
all about and I collected  
one. There were several  
mating pairs above when I  
ate lunch but none were  
taken.

Heard a few Scarlet Tanagers  
singing and shot one male  
from the top of a tree. a  
very deep plumaged bird. One  
that I took the first of June  
was difficult. Run had a  
few red feathers in the wing  
coverts.

Carolina Chickadees were  
common and were travelling  
in small family parties.  
Also saw one party of  
Suffed Titmouse.

Saw a Kingbird with what  
was a apparently a  
large beetle which he beat  
on a limb several times  
before managing to swallow  
it.

One brood of young Field  
Sparrows in juvenile plumage  
were seen.

Took a White-eyed Vireo  
from a clump of bushes  
where it was collecting very  
vigorously. It was a male  
in rather worn plumage.

Took two Box Turtles (Terrapene carolina) that I thought  
were different species but it  
turned out that they merely  
showed the extremes of in-  
dividual variation. One was  
the ordinary brownish colored  
one with prominent yellow  
markings and grayish olive  
eyes with irregular pupils.

While the other, a female, had  
the entire ground color blackish  
shaded with yellow on plastron.  
Carapace profusely spotted with  
a dull Massicot yellow. The  
Kul, which showed plainly marked  
longitudinally with this yellow  
with roundish spots on the plates



in the plates surrounding it. These markings tend to become elongate with smaller surrounding spots in the lateral plates and toward the ventral edge and posteriorly become confluent forming irregular h's and crosses. iris reddish brown & nearly round. At a casual glance the shell seemed profusely spotted. This was a female with eggs ready for the shell. Stomach contained fragments of snails, seeds of *Rubus* sp. probably dewberry and butts, Orthopteran & Diptera remains, vegetable rubbish, bits of leaves, grass & gravel.

These two animals showed diverse dispositions. One the first described was too fat to get into its shell entirely and soon overcame all fear but the other remained shut in all the while & when released ~~immediately~~ on a floor merely crawled into a corner while its companion investigated every nook & corner.

*Rhus glabra* was in bloom and attracted many insects. *Photinus* sp. especially common.

Out July 20, Sunday.  
Out this morning before five and went out to Georgetown alone. Walked across the bridge to Rosslyn and then followed up the river below Cherry Bluff. Very hot & close with fog along the river at first.

About the bridge a Georgetown gave considerable numbers of Barn Swallows mostly young birds. as

While waiting for the car at the Treasury where I transferred several fish Crows flew off over and several small parties of Purple Grackles flying out to feed somewhere.

Looked along the river for worm-eating Warblers but only saw one and failed to get it. It was an adult and was evidently feeding young out of the nest. Here they seem to frequent thick growths of bushes near the river usually where a small stream comes out of a gully.

Saw two broods of Kentucky Warblers out of the nest and shot two making one into a skin and the other into a skeleton. They show very little of the black about the head that the adults have.



These birds had the wings and tail well grown and were caring for themselves as they were fly-catching vigorously. One came up from some ferns on an open hillside and scolded me vigorously and then dropped back to cover again.

Saw a female Prairie Warbler feeding a young one which I called ~~to~~ with soft notes and collected this bird. Found it in very good shape. Did not hear the males singing at all. Saw a family party of *Androsia vigorsii* working quickly through the pines. The young were patchy looking birds just getting fall plumage. The male sang his strutting song a little.

Saw a Yellow-billed Cuckoo working through the trees and finally collected it. Heard another call & saw one flying.

A Scarlet Tanager came into a choke cherry tree and ate several cherries. Was followed by a Chat and a Catbird.

An Indigo Bunting male ate several *Chalepus* (sp. dorsalis?) in the branches of a locust.

Other birds seen.

Carolina Chickadee	several
Red-tailed Titmouse	several

White-breasted Nuthatch. 2

Carolina Wren 2

Cardinal 1 few

Song Sparrow. few

Field Sparrow feeding young.

Goldfinch few

Common Crow

Turkey Vulture.

Bobwhite heard.

Killdeer heard calling

Chewink young out of nest.

Purple Martin two.

Black & White Warbler one.

Chimney Swift several

Maryland Yellowthroat common.

Redstart one

Wood Thrush few

White-eyed Vireo scolding & singing

Kingbird one.

Hooded Warbler singing

Hummingbird female seen.

Acadian Flycatcher several calling

Wood Pewee several.

On the evening at Wood Bridge saw *Bombus* *Cebrenus* at Kalmbach.

And at Mount Rainier several Red-headed Woodpecker.

At dusk about thirty Grackles flew over to the Southward in a loose flock. Must be a roost out there somewhere.



July 27, Sunday 1913.

Rather close and oppressive in town today and hot everywhere. Went out on Four-mile Run and spent the day. There are a good many signs of fall in the air now. The grass is getting brown and dry and many localities and some of the trees show the effect of the weather.

The locusts are entirely brown now from the ravages of the Chrysomelid Chalepus dorsalis and are losing many of their leaves. They show up everywhere about Washington as brown patches on the hillsides. Apparently this does not hurt the trees however as these outbreaks come periodically.

There is considerable activity among the birds now and many young are about.

A small band of Carolina Chickadees was encountered twice working quickly with soft notes through the tops of the trees. They examined every crevice in the limbs even crawling into curled up rolls of bark and called continually.

I watched them carefully for warblers but the only one accompanying them was a single Parus varia.

Two Thrushes were seen on a bushy side hill. They flew up from the ground to low perches. They have stopped singing within the last ten days.

Two Flickers were flushed from the ground among some pines and flew from tree to tree ahead of me. Later they were encountered on top of the hill among some oaks.

Maryland Yellowthroats were common and were feeding young out of the nest. They scolded me sharply whenever I intruded in their domain.

A White-eyed Vireo gave a rendition of his usual song and was found hunting actively through some brush. One or two notes resembled those of the English Sparrow.

Red-eyed Vireos were common but were not singing a great deal. They are molting now about the head.

An Orchard Oriole came into a tree near the old orchard and began scolding and hopping around energetically. I collected it and found that it was an immature bird but old enough to make a good skeleton. Another was seen near Virginia.



Highlands working through some  
waist trees, calling and chattering.  
Finally it flew starting over my  
head but swerving to one side  
when it recognized me. They are  
of very local distribution here  
being found mainly in cleared  
country around Cabin John Md. and  
about there.

The Field Sparrows nest that I  
found two weeks ago was empty  
the young having evidently just  
left it. So the eggs must have  
been incubated more than I  
thought. Farther down the  
hill as I entered a little  
opening another pair appeared  
holding food in their bills and  
I sat down at once to see if  
I could locate the nest. They  
chipped at me sharply and  
hopped about but all through  
I waited an hour still there  
was nothing doing. For a time  
I thought they might be  
judging the young of the first  
brood as they were about  
and teased a little to be fed  
but the adult flew at them that  
I took to be the female paid no  
attention to them beyond keeping  
away from them or once when  
one was in the way she  
flew at it striking it with

her feet & wings. Finally I noticed  
that the adults visited all  
the bushes in the clearing  
but one and going up there  
found the nest about three  
feet from the ground. It contained  
four young ready to leave and  
as the nest was touched  
they flew out going in four  
different directions, fluttering and  
running through the grass. The  
adults made a great demonstration  
only once coming near and  
that when the young first came  
out. Three were captured and  
banded Nos 8556-7-8. Later I  
found another nest in a bush  
containing three eggs that were  
apparently fresh. Some of the  
males are still in song and  
I saw many of the striped  
young in first plumage.

Tufted Titmouse - heard.

Cardinal - few.

Song Sparrow few.

Goldfinch common.

Fish Crow several

Common Crow

Bluejay two imitating Buteo lineatus

Downy Woodpecker two

Turkey Vulture - in sight all the while.

Bobwhite heard whistling occasionally

Purple grackle - few.

Mourning Dove two

Chewink common - still singing



Purple Martin - several high in air.  
Brown thrasher - two in ragged plumage.  
Bong-winged Swallow - one  
Chimney Swift - common.  
House Wren - one.  
Yellow Warbler one  
Catbird common.  
Kingbird - common.  
Chat - several  
Scarlet Tanager - has almost ceased singing  
Indigo Bunting - few.  
Wood Pewee - common one taken  
Acadian Flycatcher two  
Yellow-billed Cuckoo several.

July 30, Wednesday.

The greater part of the Purple grackles in the left of Agriculture grounds had their young out of the nest by the last of May and by the twentieth of June were mainly gone. A few however remained coming to drink daily at the watering tank below my window. July 28 a female brought two young just out of the nest to drink so that the lingering birds must have been those whose early brood was destroyed in some way ~~and who~~ though they still persisted in an attempt to rear a family. Though the

members of the first brood were ~~so~~ the young so early there was no attempt under normal conditions to rear a second brood.

The birds had their nests in small pines throughout the grounds and in May numbered at least thirty five pairs and probably sixty. The Fish Crows undoubtedly robbed a few of the nests though they were vigorously assailed whenever they appeared and were pursued with angry chirps.

The birds come daily to drink and bathe in the watering tank out here and it is amusing to watch them. They usually stand on the pipe where the water bubbles out and splatter the water over themselves but this is rather unsatisfactory. A few of the braver ones jump in going clear under and then climb out again repeating this performance several times, sometimes fluttering along in the water for a couple of feet or more.

They drink a great deal of water and often pick up bits of bread etc. and fly up to soak them in the water before eating them.



July 31, Thursday.

Yesterday there came a severe gale about three in the afternoon wrecking hundreds of trees along the streets and in the parks, blowing in windows and even demolishing houses. Heavy rain accompanied it and for a few minutes hail stones fell.

This storm was quite destructive to the sparrows here in the city. I saw a dozen or fifteen *Passer domesticus* dead along the front of the museum without searching for them and undoubtedly several hundred were killed here. One that I saw was an adult male and the rest were young ones.

August 2, Saturday.

This afternoon went out on Four-mile Run. Birds were common today and were quite restless.

Saw a number of Cedar Waxwings passing over but none stopped.

A red-eyed Vireo scolding at something drew a flock of yellow-throats, Chickadees and all the other denizens

of the woods but I could not find what troubled it.

A full Sparrow's nest that a week ago contained 3 eggs was empty. The wind had evidently blown it over and destroyed the eggs.

August 3, Sunday.

Went down to Chesapeake Beach today.

Saw 3 Common Terns flying along out from shore.

Risk Hove were common along the beach and young were following the adults & begging for food. As the refuse from a passing steamer came drifting in they flew out & seized it with their bills and flew back to shore with it.

Spotted Sandpipers seen along beach.

August 10, Sunday.

This morning went down to Hunting Creek in Virginia just above Mount Vernon.

There were stretches of swampy woods here with hills intervening and along the mouth of the creek swampy growth of reeds and



July 31, Thursday.  
Yesterday there came a

Sagittaria.

There were several Green Herons flying about & roosting in the trees and I shot one an immature bird.

Two Blue Ardea herodias were seen farther out also.

There was a large mixed flock of small birds in the trees working through the tops.

Many of them were Red-eyed Vireos. Some of them still singing loudly. A good many were in ragged plumage about the head but others without doubt young in smooth fresh plumage.

The Carolina Chickadees were fairly common too and called and scolded. All that I saw were in very ragged plumage.

One White-eyed Vireo was singing in the brush occasionally along the border of the woods. It was rather a dark locality for it here.

Two Red-bellied Woodpeckers were seen too a rare bird in this vicinity.

Other birds notes:

Induct Titmouse several.

Carolina Wren - singing

Migrant Shrike - one on a fence below Alexandria.

Cardinal

Song Sparrow

Meadowlark - about 50 in one field below Alexandria.

Fish Crow - heard.

Common Crow - ..

Bluejay - four or five.

Hairy Woodpecker - one - not common here.

Sparrowhawk - one below Alexandria.

Turkey Vulture

Red-winged Blackbird one.

Killdeer - two heard.

Flicker - one in dense woods.

Kingfisher one.

Rough-winged Swallow over river.

Bluegray Gnatcatcher - 2 heard.

Chimney Swift - several.

Maryland Yellowthroat ♀ carrying food to young apparently still in nest.

Catbird one taken.

Parula Warbler one heard singing Kingbird.

Great-crested Flycatcher - one taken.

Scarlet Tanager two.

Indigo Bunting

Wood Pewee - young out nest.

Yellow-billed Cuckoo one.



August 16, Saturday:  
We put this afternoon to  
Bladensburg followed along the  
Eastern Branch for a distance  
and came back via Hyattsville.  
There were very few birds  
along here though it was  
good country for them. Fewer  
than I have seen anywhere  
here yet. It was low and  
wet along the stream and  
inland oak woods as usual.  
A solitary sandpiper flew up  
from a pool right in the  
town of Bladensburg.

One young Wood Pewee in  
first plumage was taken and  
preserved as a skin. Others  
were heard.

A young Empidonax  
virgatus was taken also in  
juvenile plumage.

Red-eyed Vireos were the  
only common birds. Young  
were following their parents  
and teasing to be fed and  
one small party was uncounted  
working through the trees.

Saw one Black and White  
Warbler also.

A dozen Buzzards had been  
feeding on a dead dog and  
then perched in some dead

limbs at the tops of oaks.  
As I passed they flew up  
heavily and began circling  
back and forth.

A single Cedar Waxwing  
was seen at the edge of a  
clearing in the dead top  
of an oak. This bird proved  
to be a laying female.

Rough-winged Barn &  
Tree Swallows came circling  
in in the evening.

Two Gnatcatchers seen

August 17, Sunday

Today went out on Four-  
mile Run in Virginia again  
and did not return until  
evening. Birds were rather  
scarce even here.

A half-formed cloud of  
vapor ~~that~~ ~~was~~ came  
drifting over, almost at the  
point of forming rain drops  
in all four Barn & Rough-  
winged Swallows which worked  
back and forth after insects.  
A few ~~insects~~ <sup>Chironomy & swif</sup> were with  
them and one I shot. One  
or two were seen occasionally  
throughout the day and  
a single bird passed over  
several times but lost.

An adult Purple Martin  
hunted about 100 ft high in the



air followed by one unfortunate young bird. At intervals the old bird fed it both pouring together for an instant in the air, separating almost at once.

Scarlet Tanagers in juvenile plumage were fairly common in family parties in the oak woods. They were getting insects of various kinds from the dead bunches of leaves.

Field Sparrows were very common in the old orchard. At evening they gathered in small flocks in the apple trees to roost.

Bluebird - an old nest found in a hollow apple tree.

Carolina Chickadee small flock. Two came over my head calling me.

Tufted Titmouse - heard calling.

Cardinal few.

Goldfinch two

Tree Crow } seen passing over to  
Common Crow } the south in small parties at dusk.

Bluejay, heard calling.

Downy Woodpecker heard.

Red shouldered heard calling & one seen.

Turkey Vulture.

Bobwhite - two calling excitedly in

the brush.

Phoebe one bird seen along a dry gully.

7 birds two seen.

Mourning Dove one seen.

Chewink common.

Black & White Warbler one.

Redstart one.

Catbird

Red-eyed Vireo

Kingbird two.

Crested Flycatcher calling in evening

Chat one seen.

Indigo Bunting three.

Wood Pewee.

Box turtles seen copulating. Female was shut up in her shell and the male was turning her over with his head and crawling over her first on one side & then on the other, and crawling over her.











